



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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TC 2800 MAIL ROOM

In re Application of : Foo, T.K.
Serial No. : 10/063,829
Filing Date : 5/16/2002
Title : *Whole Body MRI Scanning with Moving Table
and Interactive Control*
Group Art No. : 2862
Examiner :
Attorney Docket No. : GEMS8081.119

CERTIFICATION UNDER 37 CFR 1.8(a) and 1.10

I hereby certify that, on the date shown below, this correspondence is being:

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INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97/99

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Dear Sir:

In compliance with Applicants' duty of disclosure as set forth in 37 C.F.R. §1.56, listed on the attached equivalent to Form PTO-1449 are those patents, publications, and other

information known to the Applicant(s) which may be considered material to the patentability of the claims of the above-captioned application. One copy of each reference is attached.

Applicants would like to make the Examiner aware that the following pending U.S. patent applications might be considered relevant to the examination of this application:

U.S. Ser. No. 09/292,548 filed April 15, 1999;

U.S. Ser. No. 10/098,013 filed March 13, 2002;

U.S. Ser. No. 09/591,300 filed June 9, 2000;

U.S. Ser. No. 09/682,699 filed October 5, 2001;

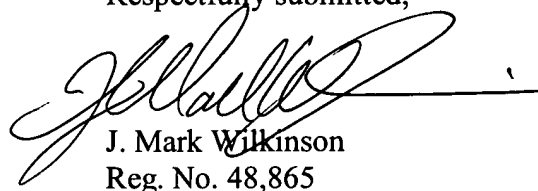
U.S. Ser. No. 10/147,701 filed May 17, 2002;

U.S. Ser. No. 09/595,117 filed June 16, 2000; and

U.S. Ser. No. 09/681,420 filed March 31, 2001.

The Applicants respectfully request that the documents listed on the attached equivalent to Form PTO-1449 be considered by the Examiner, that the references be made of record in the present application, and that an initialed copy of the duplicate equivalent to Form PTO-1449 be returned to the undersigned in accordance with MPEP 609.

Respectfully submitted,

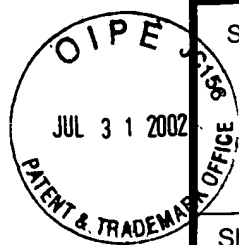


J. Mark Wilkinson
Reg. No. 48,865

Date: July 26, 2002

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STATEMENT BY APPLICANT**
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Sheet 2 of 2

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Application Number	10/063,829
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First Named Inventor	Foo
Group Art Unit	
Examiner Name	
Attorney Docket Number	GEMS8081.119

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C-2800 MAIL ROOM**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

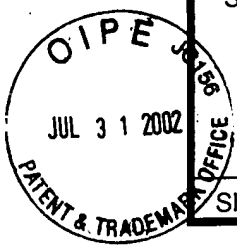
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	12
	C1	Moran, PR. A flow velocity zeugmatographic interface for NMR imaging in humans. <i>Magnetic Resonance Imaging</i> 1982; 1: 197-203.	
	C2	Bryant DJ, Payne JA, Firmin DN, and Longmore DB. Measurement of flow with NMR imaging using a gradient pulse and phase difference technique. <i>J Comput Assist Tomogr</i> 1984; 8: 588-93.	
	C3	Van Dijk P. Direct cardiac NMR imaging of heart wall and blood flow velocity. <i>J. Comput Assist Tomogr</i> 1984; 8: 429-36.	
	C4	Nayler GL, Firmin DN, and Longmore DB. Blood flow imaging by cine magnetic resonance. <i>J Comput Assist Tomogr</i> 1986; 10: 715-22.	
	C5	Swan JS, Grist TM, Weber DM, Sproat IA, and Wojtowycz MM. MR angiography of the pelvis with variable velocity encoding and a phase-array coil. <i>Radiology</i> 1994; 190: 363-9.	
	C6	Swan JS, Weber DM, Grist TM, Wojtowycz MM, Korosec FR, and Mistretta CA. Peripheral MR angiography with variable velocity encoding. Work in progress. <i>Radiology</i> 1992; 813-7.	
	C7	Ehman RL, Felmlee JP. Adaptive technique for high definition MR imaging of moving structures. <i>Radiology</i> 1998; 173: 255-263.	
	C8	Ho KY, Leiner T, de Haan MW, Kessels AG, Kitslaar PF, and van Engelshoven JM. Peripheral vasculature tree stenoses: evaluation with moving-bed infusion-tracking MR angiography. <i>Radiology</i> 1998; 206: 683-92.	
	C9	Meaney JF, Ridgway JP, Chakraborty S, Robertson I, Kessel D, Radjenovic A, Kouwenhoven M, Kassner A, and Smith MA. Stepping-table gadolinium-enhanced digital subtraction MR angiography of the aorta and lower extremity arteries; preliminary experience. <i>Radiology</i> 1999; 211: 59-67.	
	C10	Foo TKF, Saranathan M, Prince MR, and Chenevert TL. Automated detection of bolus arrival and initiation of data acquisition in fast, three-dimensional, gadolinium-enhanced MR angiography. <i>Radiology</i> 1997; 203: 275-80.	
	C11	Wilman AH, Riederer SJ, Huston J. 3 rd , Wald JT, and Debbins JP. Arterial phase carotid and vertebral artery imaging in 3D contrast-enhanced MR angiography by combining fluoroscopic triggering with an elliptical centric acquisition order. <i>Magn. Reson Med.</i> 1998; 40: 24-35.	
	C12	Riederer SJ, Fain SB, Kruger DG, and Busse RF. 3D-enhanced MR angiography using fluoroscopic triggering and an elliptical centric view order. <i>Int. J. Card Imaging</i> 1999; 15: 117-29.	
	C13	Prince MR, Chenevert TL, Foo TKF, Londy FJ, Ward JS, Maki JH. Contrast enhanced abdominal MR angiography: Optimization of imaging delay time by automating the detection of contrast material arrival in the aorta. <i>Radiology</i> 1997; 203: 109-114.	
	C14	Meany, Dr. James FM, Leeds General Infirmary, Leeds UK Moving Bed MRA, The Future of Peripheral Arteriography? <i>Phillips</i>	
	C15	Kouwenhoven, M., MRA with moving bed imaging, IX International Workshop on Magnetic Resonance Angiography and Introductory Course "New Horizons on MRA and CTA", Valencia, October 7-11, 1997, Book of Abstracts, <i>The MR Angio Club</i> , p. 158.	
	C16	Kruger, DG., Riederer, S.J., Grimm, R.C., Rossman, P.J., Continuously moving table data acquisition method for long FOV contrast-enhanced MRA and whole-body MRI. <i>Magnetic Resonance in Medicine</i> , 47: 224-231 (2002)	

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Sheet

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	C17	K. Liu, B. Rutt, "Sliding Interleaved ky (SLINKY) Acquisition: A Novel 3D MRA Technique with Suppressed Slab Boundary Artifact", JMRI, 8: 903-911 (1998)
	C18	K. Liu, B. Rutt, "Systemic Assessment and Evaluation of Sliding Interleaved ky (SLINKY) Acquisition for 3D MRA", JMRI, 8: 912-923 (1998)
	C19	K. Liu, "SLINKY: More Understanding, Optimization and Application for High Resolution MRA", ISMRM Seventh Scientific Meeting, 1908, 1999.
	C20	K. Liu, Y. Xu, M. Loncar, "Artifact Transformation Technique: Shifted Interleaved Multi-Volume Acquisition (SIMVA) for 3D FSE, ISMRM Sixth Scientific Meeting, 1618, 1999.
	C21	K. Liu, Y. Xu, M. Loncar "Applications of Shifted-Interleaved Multi-Volume Acquisition (SIMVA) with Suppressed Slab Boundary Artifact", ISMRM Seventh Scientific Meeting, 1618, 1999.
	C22	J. Hennig, "Overlapping Section Coverage in Multisection Imaging", JMRI, 3:425-432 (1993).
	C23	J. Pipe, "Spatial Encoding and Reconstruction in MRI with Quadratic Phase Profiles", MRM, 33:24-33 (1995).
	C24	J. Pipe, "Analysis of Localized Quadratic Encoding and Reconstruction", MRM, 36: 137-146 (1996).
	C25	O'Dietrich, J. Hajnal, "Extending the Coverage of True Volume Scans by Continuous Movement of the Subject", ISMRMSeventj Scoemtofoc <eetomg. 1653. 1999.
	C26	K.Y. Ho, T. Leiner, M.H. de haan, J.M. A. van Engelshoven, "Gadolinium Optimized Tracking Technique: A new MRA technique for Imaging the Peripheral Vascular Tree from Aorta to the Foot using one Bolus of Gadolinium", ISMRM Fifth Scientific Meeting, 203, 1997.

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